

FIG.1

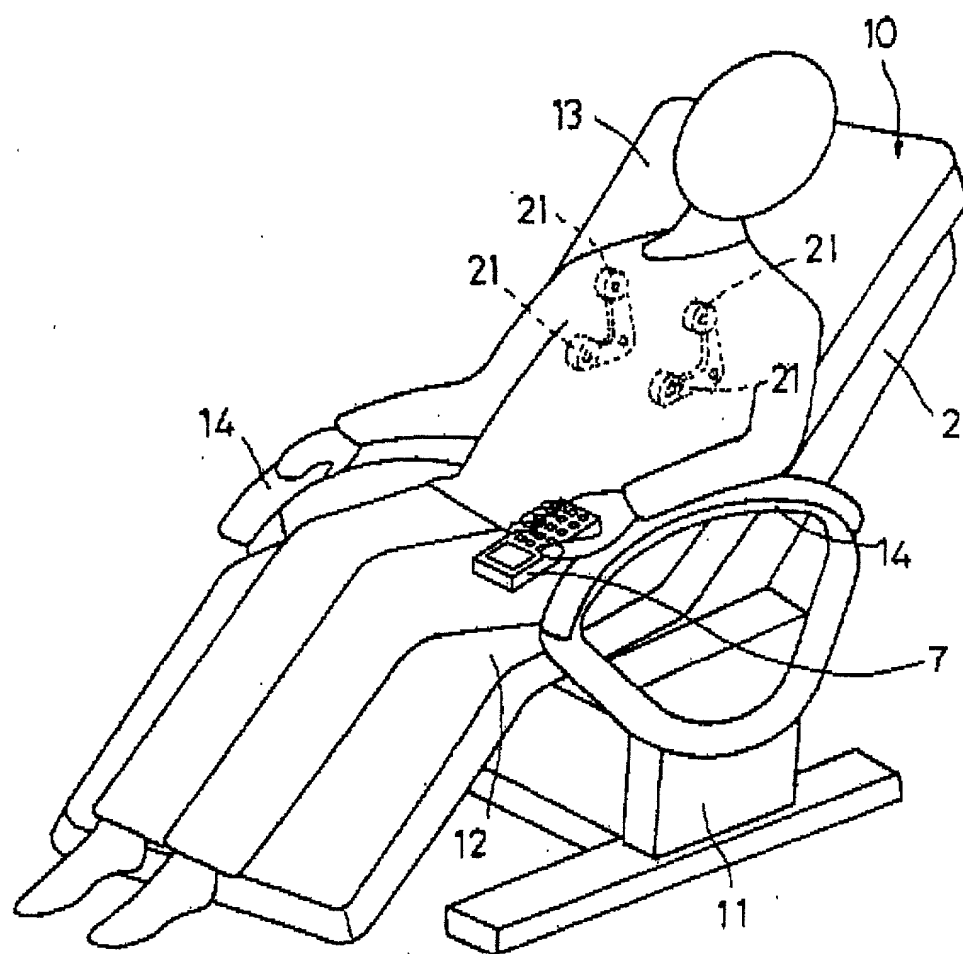


FIG.2

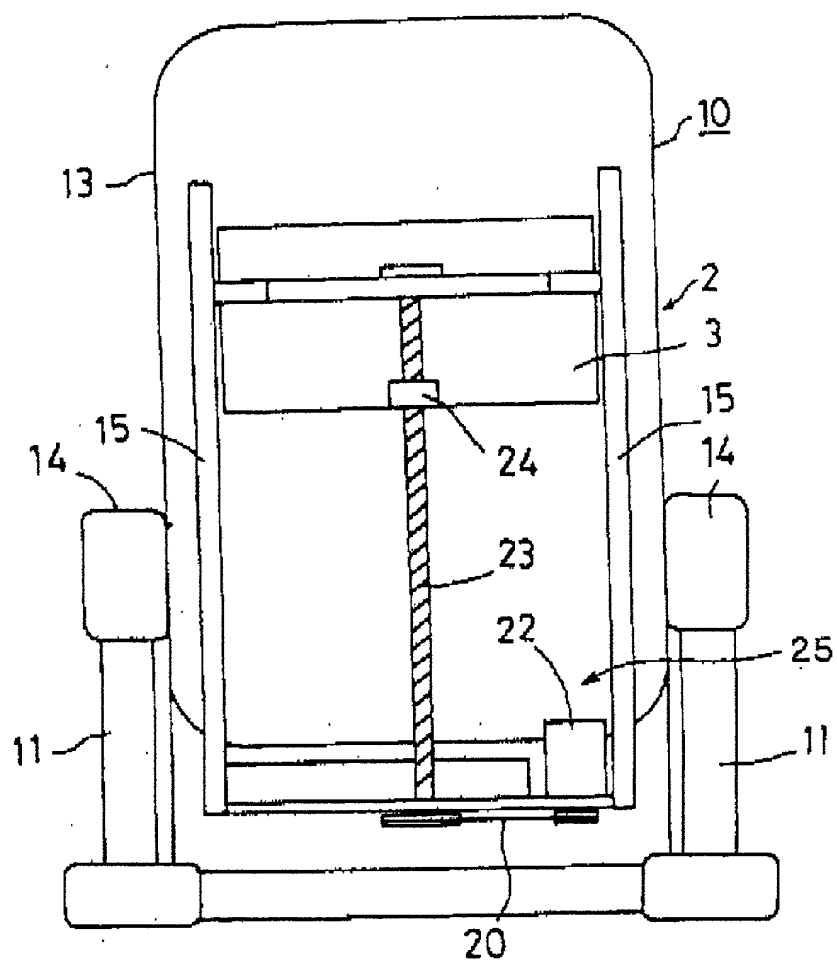


FIG. 3

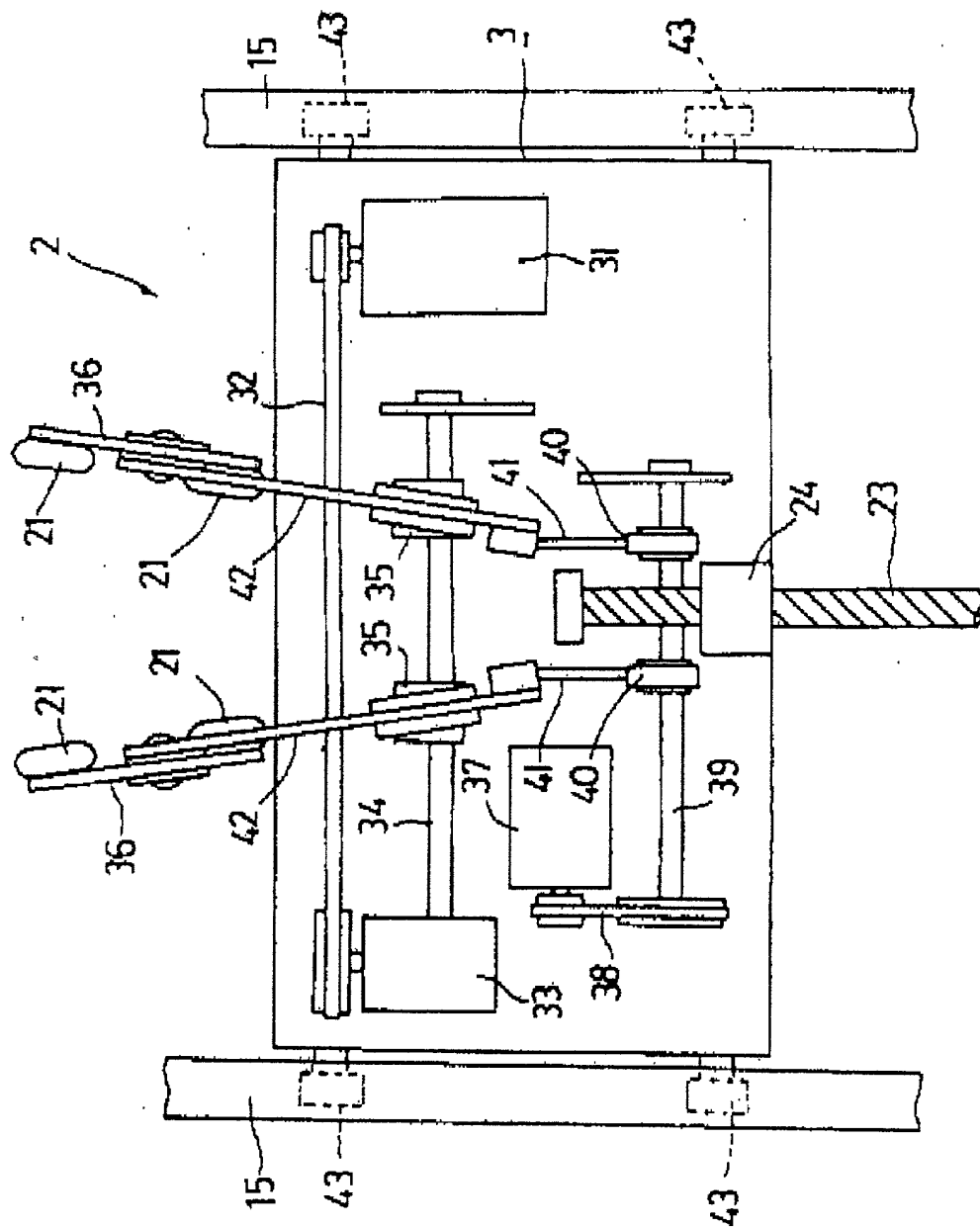


FIG. 4

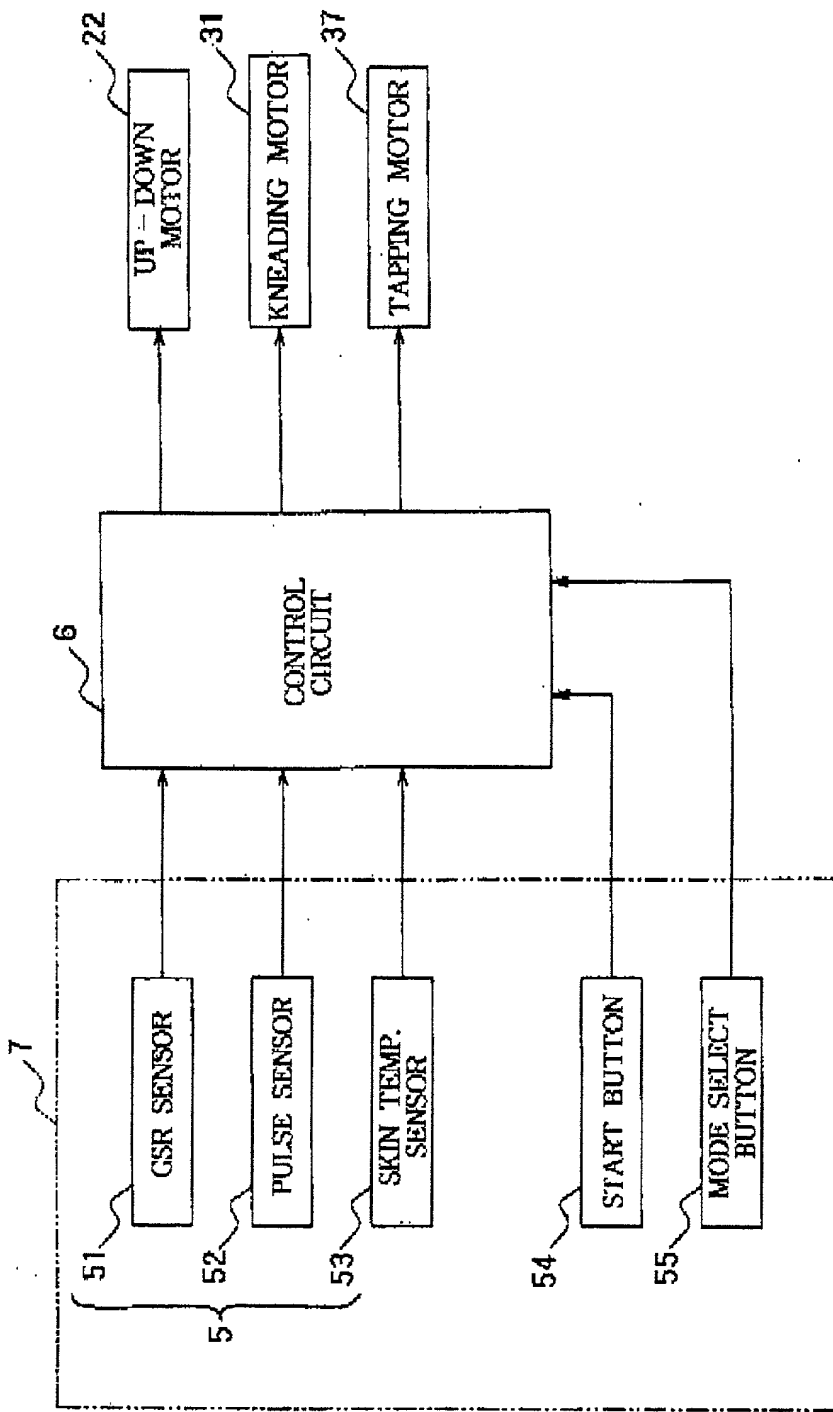


FIG.5

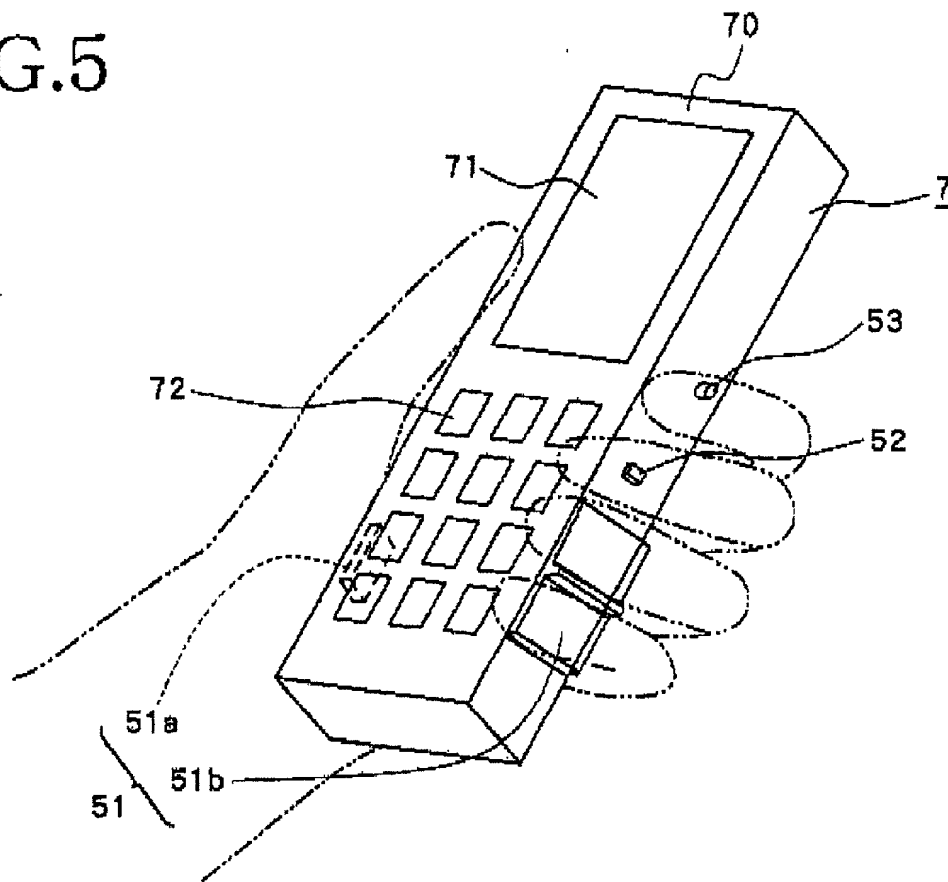


FIG.6

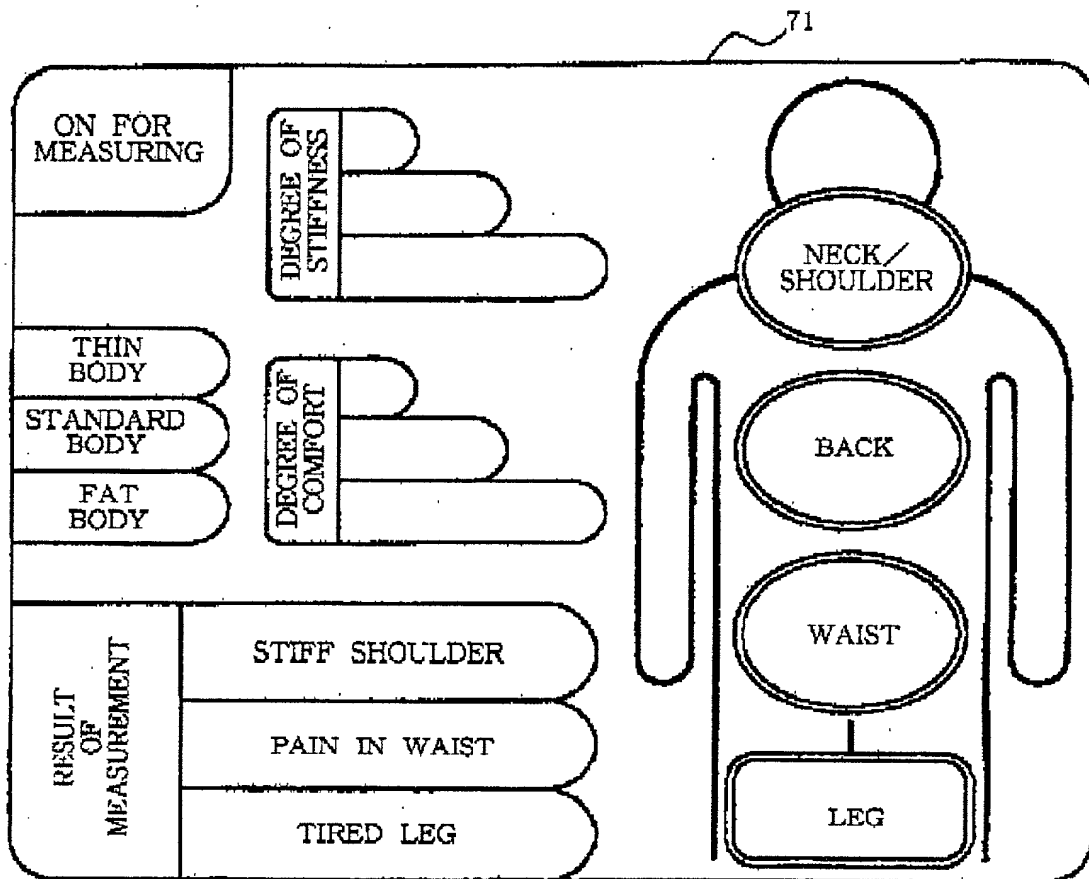


FIG. 7

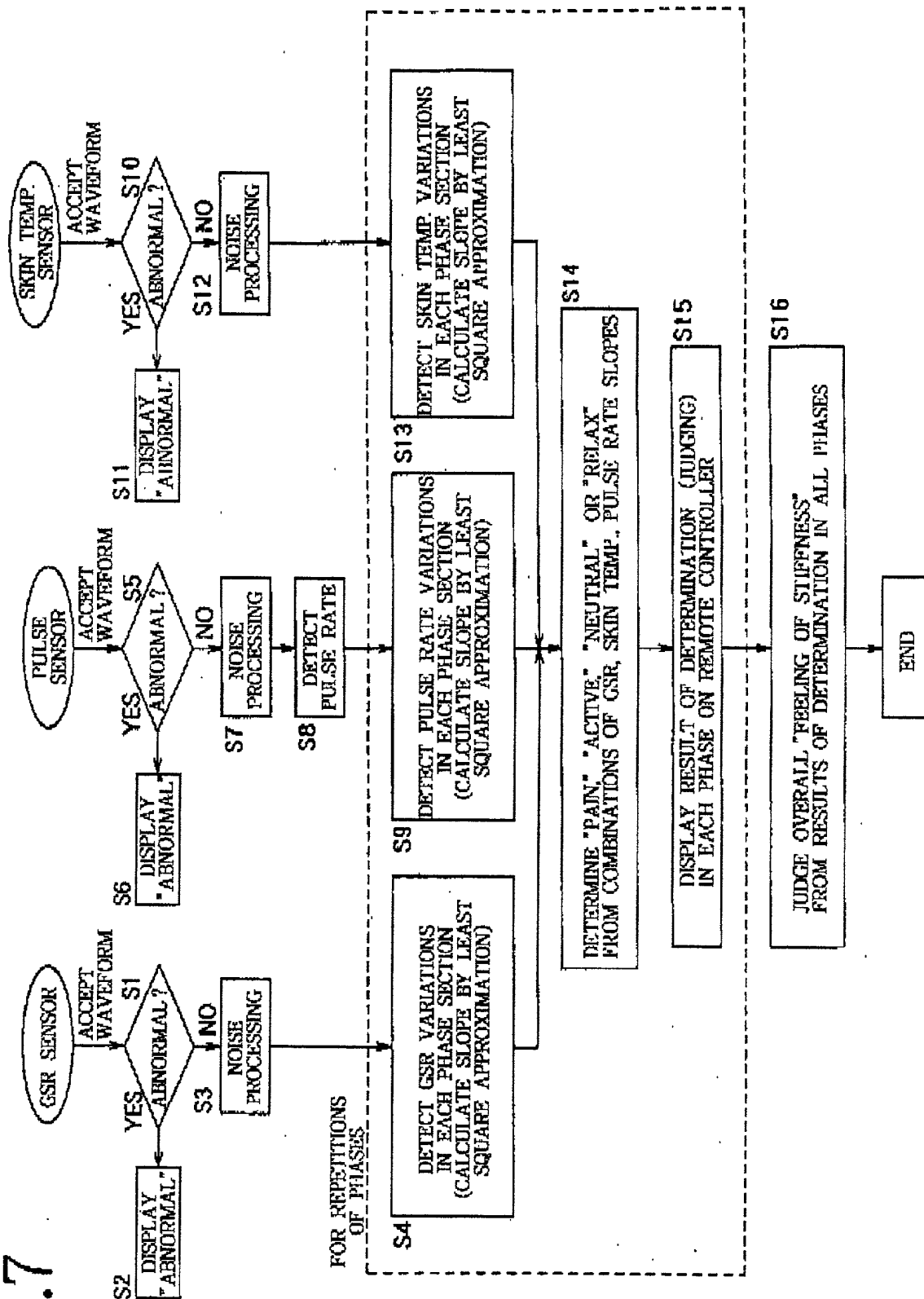


FIG.8

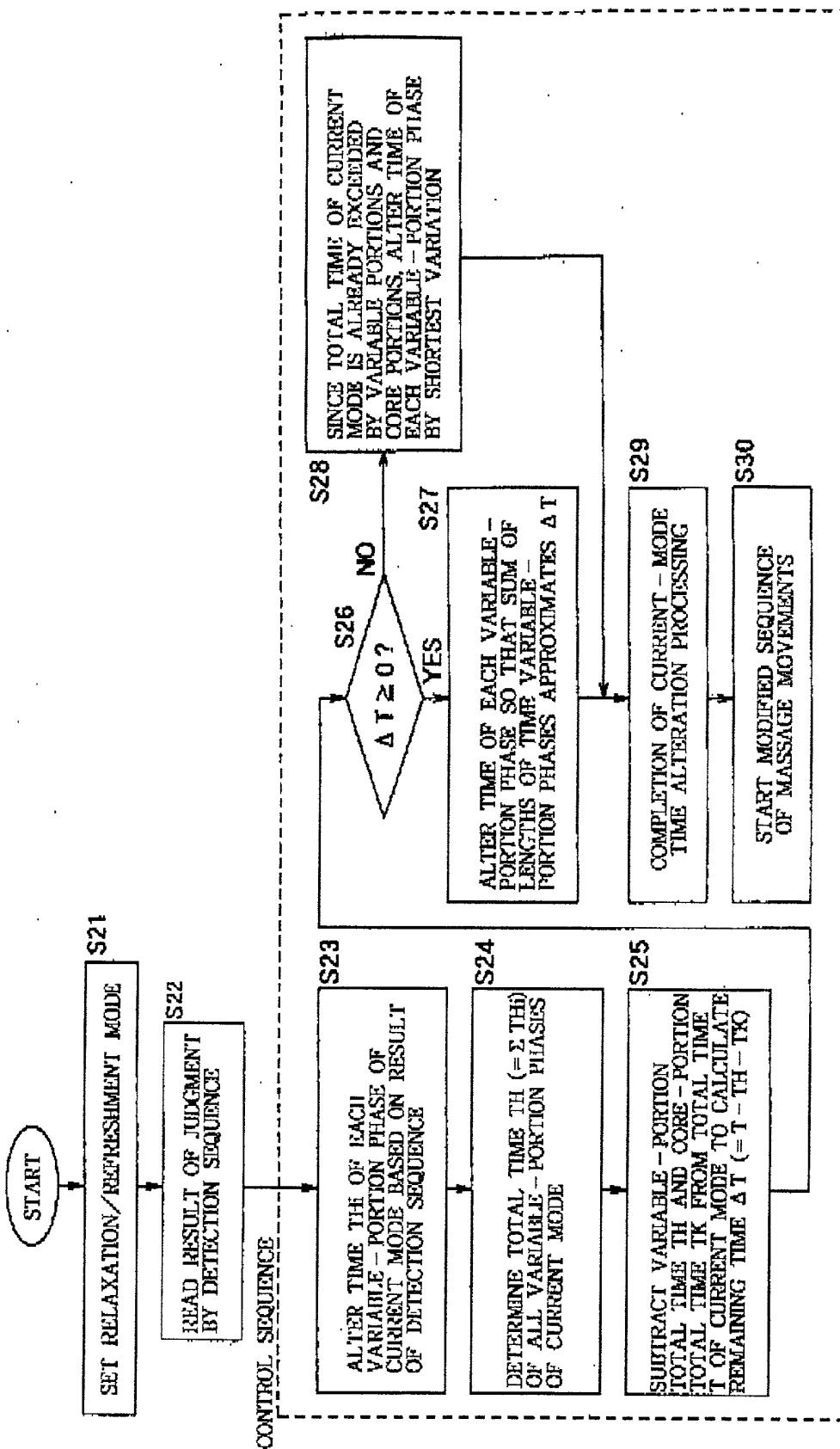


FIG.9

JUDGMENT	GSR	SKIN TEMP.	PULSE
RELAXED	$\Delta G \leq -A/\text{SEC}$	$\Delta T < 0$	$\Delta H < 0$
	$\Delta G \leq -A/\text{SEC}$	$\Delta T \geq 0$	$\Delta H < 0$
	$\Delta G \leq -A/\text{SEC}$	$\Delta T \geq 0$	$\Delta H \geq 0$
	$-A/\text{SEC} < \Delta G \leq +B/\text{SEC}$	$\Delta T \geq 0$	$\Delta H < 0$
NEUTRAL	$\Delta G \leq -A/\text{SEC}$	$\Delta T < 0$	$\Delta H \geq 0$
	$-A/\text{SEC} < \Delta G < +B/\text{SEC}$	$\Delta T < 0$	$\Delta H < 0$
	$-A/\text{SEC} < \Delta G < +B/\text{SEC}$	$\Delta T \geq 0$	$\Delta H \geq 0$
	$+B/\text{SEC} < \Delta G < +C/\text{SEC}$	$\Delta T \geq 0$	$\Delta H < 0$
ACTIVE	$-A/\text{SEC} < \Delta G < +B/\text{SEC}$	$\Delta T < 0$	$\Delta H \geq 0$
	$+B/\text{SEC} < \Delta G < +C/\text{SEC}$	$\Delta T < 0$	$\Delta H < 0$
	$+B/\text{SEC} < \Delta G < +C/\text{SEC}$	$\Delta T \geq 0$	$\Delta H \geq 0$
PAIN	$+B/\text{SEC} < \Delta G < +C/\text{SEC}$	$\Delta T < 0$	$\Delta H \geq 0$
	$\Delta G \geq +C/\text{SEC}$	don't care	don't care

FIG.10 (a) RELAXATION MODE

	PART	TIME	SPEED
RELAXED	BACK	NO PAIN	MEDIUM
	OTHERS	1.5 TIMES	MEDIUM
NEUTRAL	—	NO PAIN	MEDIUM
ACTIVE	BACK	ZERO	—
	OTHERS	0.75 TIMES	SLOW
PAIN	BACK	ZERO	—
	OTHERS	0.5 TIMES	SLOW

FIG.10 (b) REFRESHMENT MODE

	PART	TIME	SPEED
RELAXED	BACK	0.5 TIMES	MEDIUM
	OTHERS	0.5 TIMES	HIGH
NEUTRAL	—	NO PAIN	MEDIUM
ACTIVE	BACK	NO PAIN	MEDIUM
	OTHERS	1.5 TIMES	MEDIUM
PAIN	BACK	ZERO	SLOW
	OTHERS	0.5 TIMES	SLOW

FIG. 11

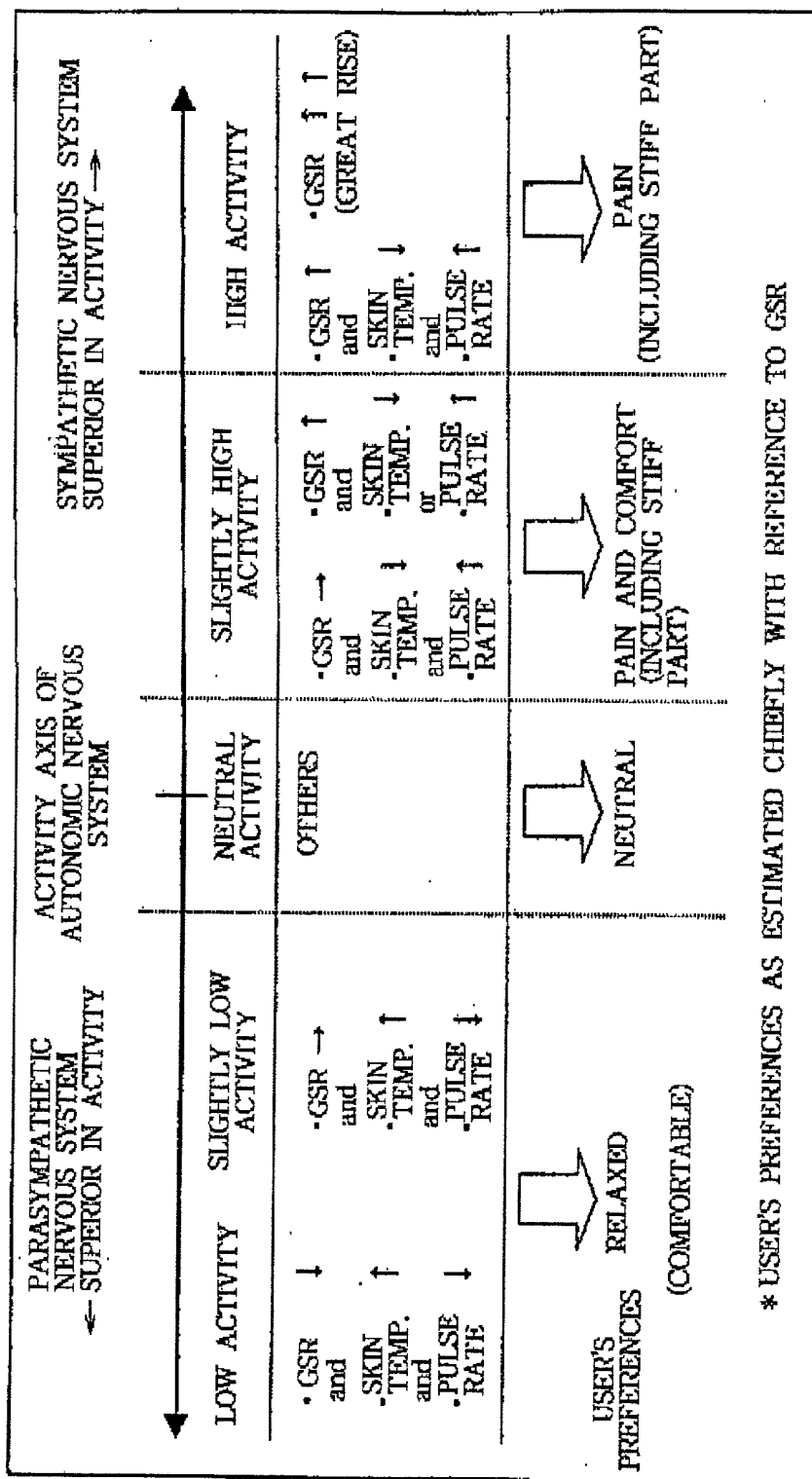


FIG.12

PS1*1 PS2*2	RELAXED	NEUTRAL	ACTIVE (PAIN AND COMFORT)	PAIN	TOTAL
RELAXED	30	3	0	0	33
NEUTRAL (BOTTOM NOT PRESSED)	2	26	14	0	42
ACTIVE (PAIN AND COMFORT)	0	0	14	2	16
PAIN	0	0	4	13	17

* 1 PS1 MEANS "PSYCHOLOGICAL STATE AS ESTIMATED."

* 2 PS2 MEANS "PSYCHOLOGICAL STATE AS RECOGNIZED SUBJECTIVELY."

FIG. 14

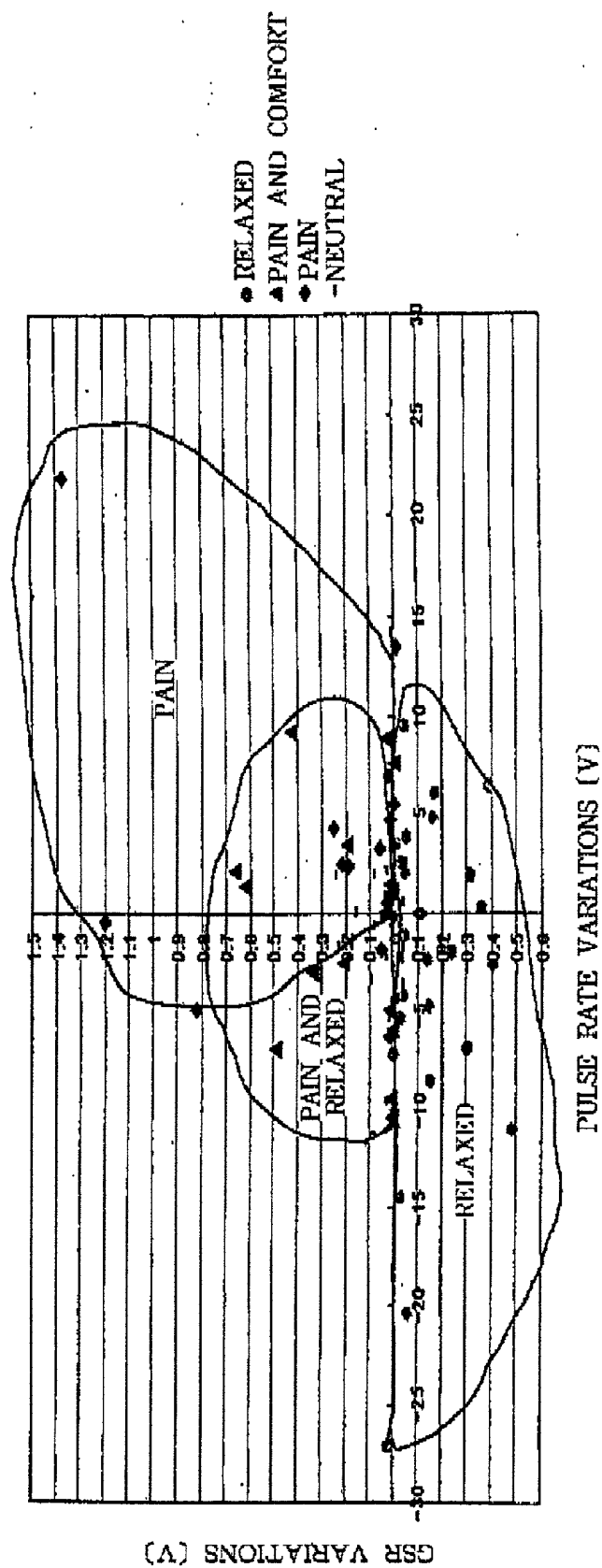


FIG.16

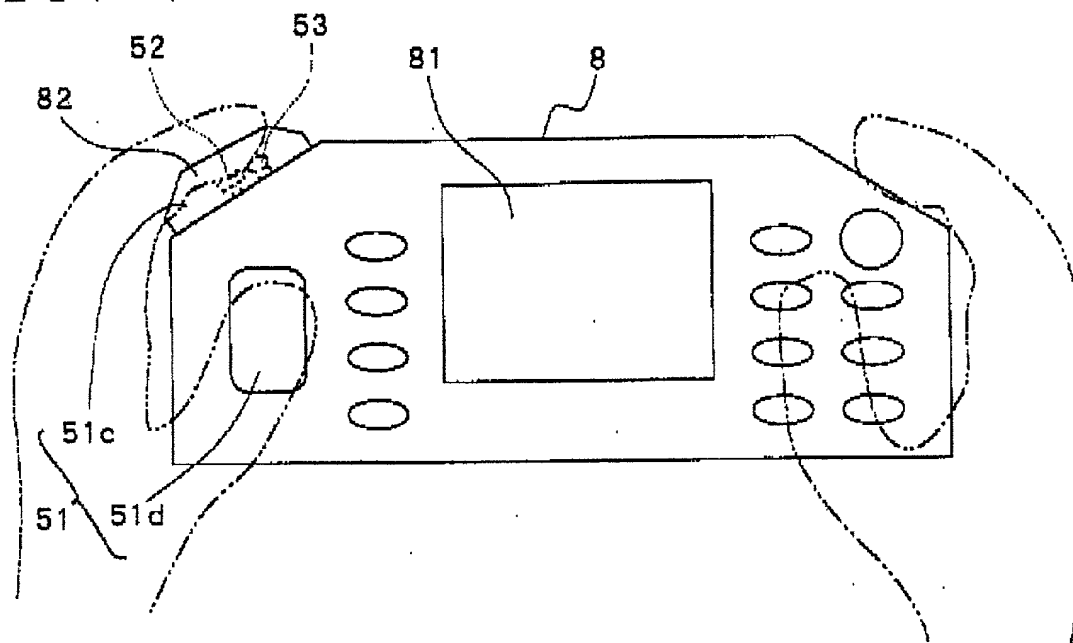


FIG.17 (a)

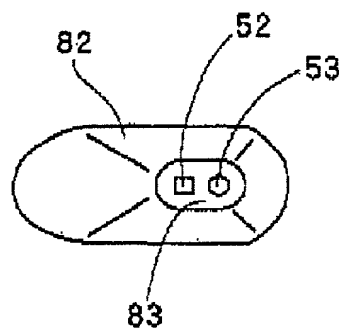


FIG.17 (b)

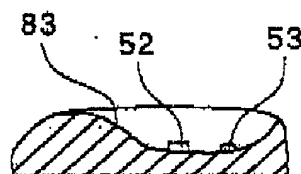


FIG.18 (a) FIG.18 (b)

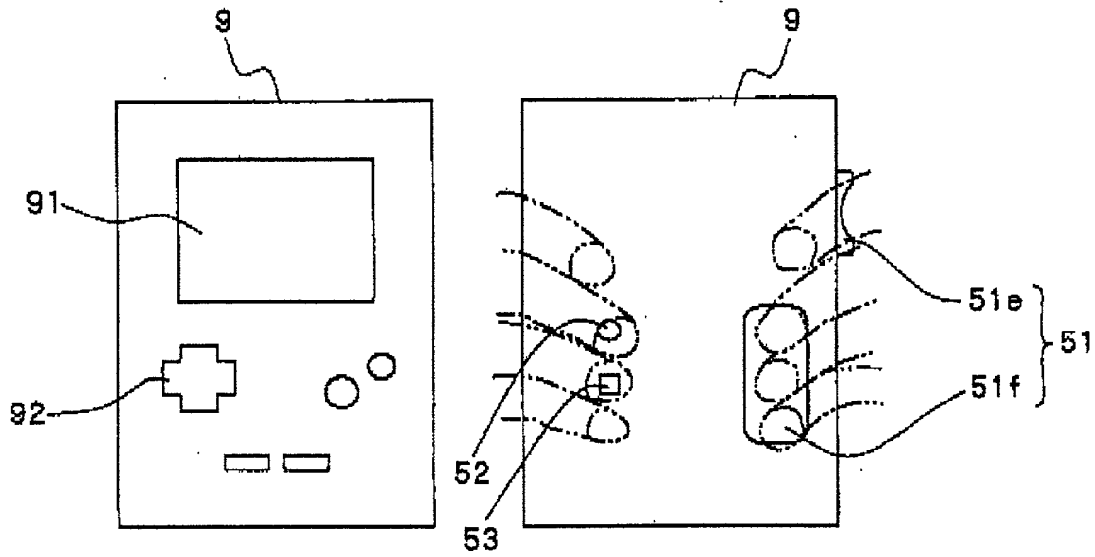


FIG.19

